European Synchrotron Radiation Facility

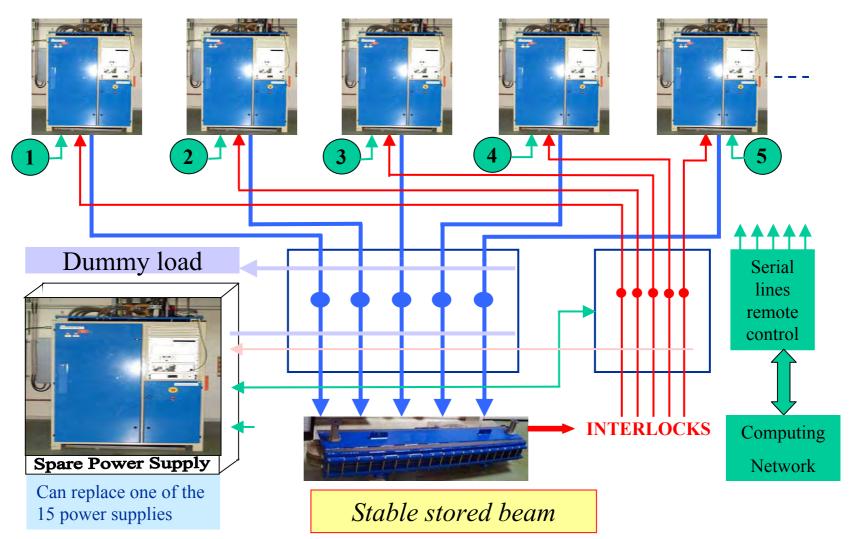
THE POWER SUPPLIES SWITCHING BOARD

An efficient system to minimize power supplies failure downtime.

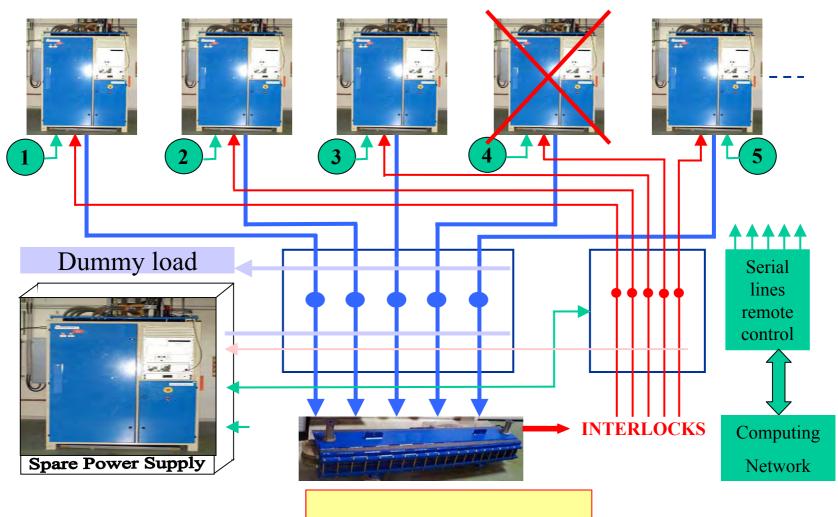
The power supplies switching board

• 1 spare power supply + 1 device to switch it on a magnet family

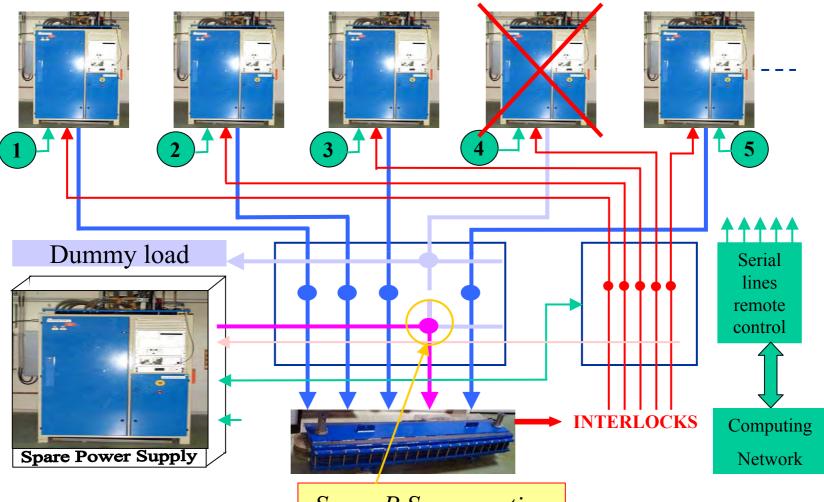
- Easy replacement of one of the 15 magnet power supplies
- Possibility to connect one power supply on dummy load
- Fast disconnection of a magnet chain for insulation test



The power supplies switching board

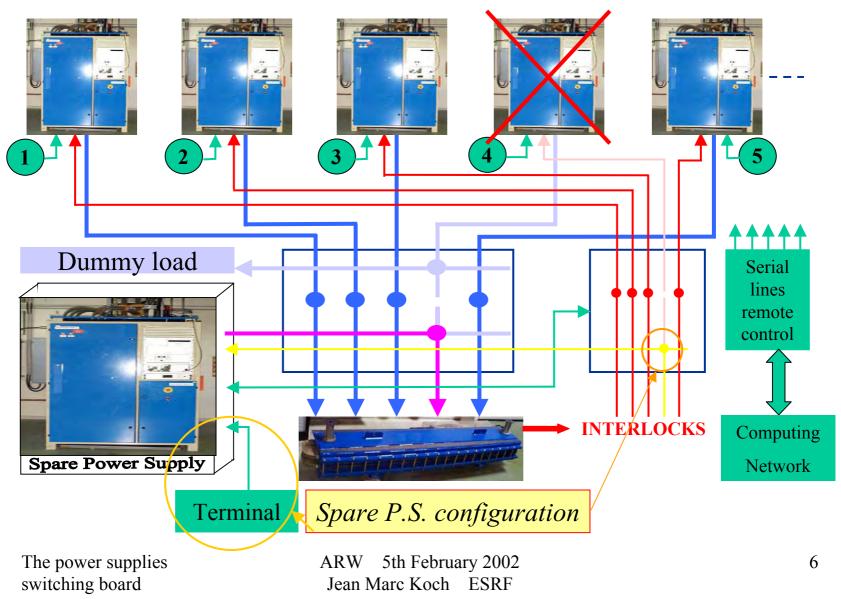


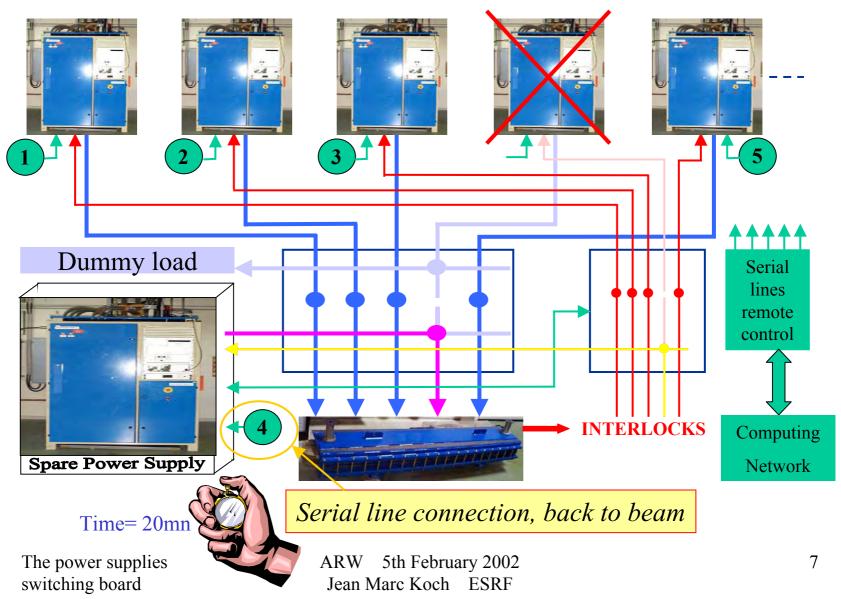
The power supplies switching board

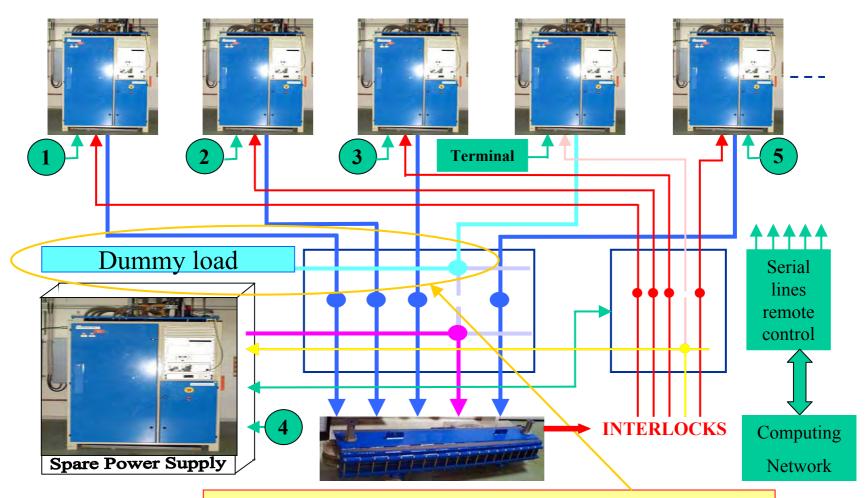


Spare P.S. connection

The power supplies switching board

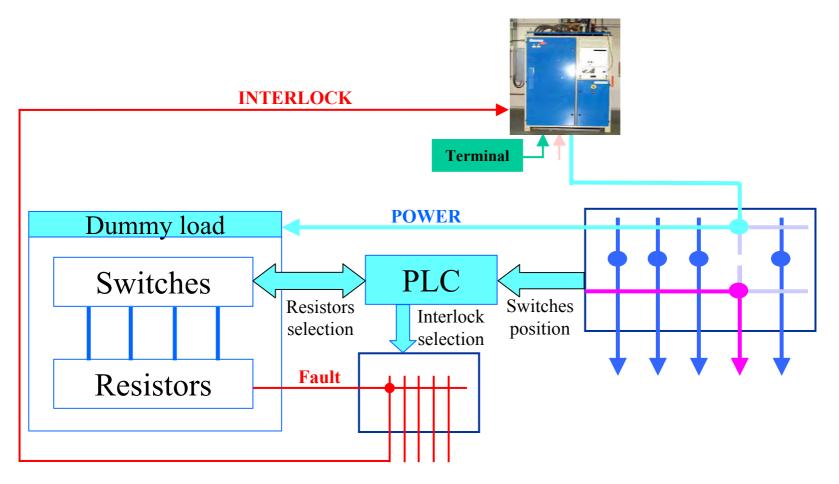






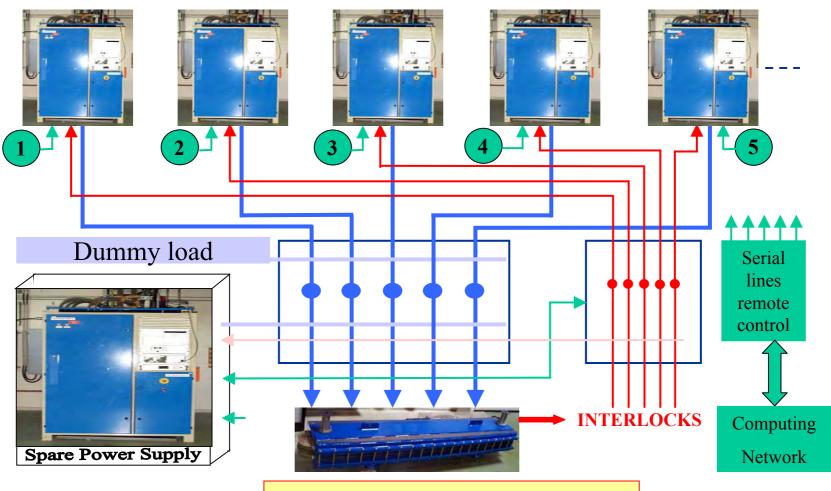
The damaged P.S. can be repaired on dummy load

The power supplies switching board



The dummy load is adapted to the power supply in test

The power supplies switching board



Power supply operational again

The power supplies switching board

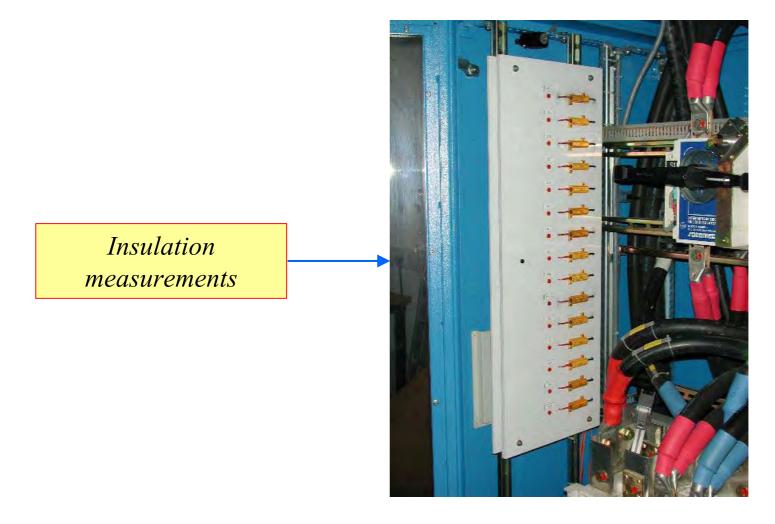


The power supplies switching board





The power supplies switching board



The power supplies switching board

The spare power supply (1200V 800Amp) is in operation since 1995 The switching board is in operation since 1997

The price:360 000 €The floor area:20m²The time for switching:20mn

The power supplies switching board